

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12053

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A21D8/04 A21D13/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A21D A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 026 205 A (STONE IRWIN M) 20 March 1962 (1962-03-20) column 2, line 17-37 example VIII claims 1,4,7,8 ---	1,2,4, 6-10, 13-15
X	US 2 615 810 A (IRWIN STONE) 28 October 1952 (1952-10-28) cited in the application column 1, line 28-31,39-50 column 3, line 9-13 examples I,II column 4, line 52-56 claim 1 --- -/--	1,2, 6-10, 13-15

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

1 March 2004

Date of mailing of the international search report

11/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Piret-Viprey, E

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12053

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 99 53769 A (NOVONORDISK AS) 28 October 1999 (1999-10-28)</p> <p>page 2, line 5-28 page 4, line 28-32 page 5, line 4-10, 18, 19, 34 example 1 claims 1-4, 11, 16</p> <p style="text-align: center;">---</p>	1, 2, 4, 6-10, 12-15
X	<p>DD 128 201 A (DRECHSEL WOLFGANG; SCHLOBACH CARL RUDOLF; RUTTLOFF HEINZ; TAEUFEL ALFRE) 2 November 1977 (1977-11-02) example 2 claim 4</p> <p style="text-align: center;">---</p>	1-3, 5-7, 9-18
X	<p>TAÜFEL, RUTTLOFF, EMMER: "Enzymeinsatz zur Rationalisierung der Wfeelproduktion I. Zum Einsatz von Proteasen und Amylasen" BÄCKER UND KONDIKTOR, vol. 32, no. 1, 1984, pages 22-24, XP002237629 page 22, left-hand column, line 5-8 page 22, right-hand column, paragraph 3 table 2 page 23, right-hand column, paragraph 2</p> <p style="text-align: center;">---</p>	1-3, 5-7, 9-18
X	<p>EP 0 445 585 A (LOTTE CO LTD) 11 September 1991 (1991-09-11)</p> <p>page 3, line 2-7 claims 1, 2, 5</p> <p style="text-align: center;">---</p>	1, 2, 4, 7-10, 12, 14
X	<p>US 2002/004084 A1 (ENGELS, HASEBORG, HOOGLAND) 10 January 2002 (2002-01-10)</p> <p>page 3, left-hand column, paragraphs 2, 4 example 3 claims 1, 3, 4, 6, 8, 14</p> <p style="text-align: center;">---</p>	1, 2, 6, 7, 9, 10, 12-15
X	<p>US 3 919 434 A (TSEN CHO C ET AL) 11 November 1975 (1975-11-11)</p> <p>example II</p> <p style="text-align: center;">---</p>	1, 2, 6, 7, 9, 10, 12-15
X	<p>MANOHAR, RAO: "Effect of alpha-amylase and protease on the rheological characteristics of dough and quality of biscuits" ADVANCES IN FOOD SCIENCE, vol. 19, no. 1/2, 1997, pages 15-21, XP008015977 page 16, left-hand column, paragraph 2 page 16, right-hand column, last paragraph page 20, left-hand column, last paragraph -right-hand column, paragraph 1</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1, 2, 4, 6-10, 12-15

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/12053

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 176 927 A (HAARASILTA SAMPISA ET AL) 5 January 1993 (1993-01-05) example 5 column 12, line 49-53 claims 1,7 ---	1,2, 6-10,12, 13
X	EP 0 487 122 A (UNILEVER PLC ;UNILEVER NV (NL)) 27 May 1992 (1992-05-27) examples II,III claims 1,2,4,6,10,13 ---	1,6-10, 12,13
X	US 2002/142069 A1 (ELMUSA) 3 October 2002 (2002-10-03) page 2, left-hand column, paragraphs 3,4 page 2; table 1 page 3; table 2 claims 1,9,15,17,25,26 -----	1,6-10, 12,13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12053

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3026205	A	20-03-1962	NONE	
US 2615810	A	28-10-1952	NONE	
WO 9953769	A	28-10-1999	AT 228307 T AU 754470 B2 AU 3025399 A CA 2326412 A1 DE 69904161 D1 DE 69904161 T2 WO 9953769 A1 DK 1073339 T3 EP 1073339 A1 ES 2188143 T3 US 6365204 B1 US 2001055635 A1	15-12-2002 14-11-2002 08-11-1999 28-10-1999 09-01-2003 17-07-2003 28-10-1999 27-01-2003 07-02-2001 16-06-2003 02-04-2002 27-12-2001
DD 128201	A	02-11-1977	DD 128201 A1	02-11-1977
EP 0445585	A	11-09-1991	JP 1821569 C JP 3244340 A JP 5032008 B EP 0445585 A1	10-02-1994 31-10-1991 14-05-1993 11-09-1991
US 2002004084	A1	10-01-2002	AU 696897 B2 AU 3981395 A CA 2204634 A1 DE 69517442 D1 DE 69517442 T2 WO 9613981 A1 EP 0790774 A1 ES 2146320 T3 JP 10508477 T	24-09-1998 31-05-1996 17-05-1996 13-07-2000 26-10-2000 17-05-1996 27-08-1997 01-08-2000 25-08-1998
US 3919434	A	11-11-1975	CA 944609 A1 DE 2149280 A1 FR 2110870 A5 GB 1330933 A US 3773521 A	02-04-1974 06-04-1972 02-06-1972 19-09-1973 20-11-1973
US 5176927	A	05-01-1993	FI 884668 A AT 101001 T DE 68912883 D1 DE 68912883 T2 EP 0368015 A1	12-04-1990 15-02-1994 17-03-1994 30-06-1994 16-05-1990
EP 0487122	A	27-05-1992	AU 8795591 A CA 2055753 A1 EP 0487122 A2 JP 4311338 A ZA 9109214 A	28-05-1992 22-05-1992 27-05-1992 04-11-1992 21-05-1993
US 2002142069	A1	03-10-2002	WO 02060262 A2	08-08-2002